

ABSTRACT

In order to realize a small quartz oscillator having high frequency stability and capable of measuring DLD characteristics, in a piezo-oscillator comprising an oscillator circuit including a piezo-vibrator and an amplifier circuit, and a constant-voltage circuit, in which a power source and the oscillator circuit are connected through the constant-voltage circuit to supply a constant voltage to the oscillator circuit, depending on the said power source voltage, a function of the constant-voltage circuit is invalidated. With this structure, even after the piezo-vibrator and other electron circuits are integrally assembled, it is possible to adjust the drive level of the quartz vibrator and to measure the DLD characteristics by changing the power source voltage.